

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/000741

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61N 1/37, A61N 1/365, A61B 5/021  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61B, A61N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0136014 A2 (REMON MEDICAL TECHNOLOGIES LTD.), 25 May 2001 (25.05.2001), page 13, line 10 - page 22, line 14, claims 1-4, abstract --	1-26
A	US 6438408 B1 (LAWRENCE J. MULLIGAN ET AL), 20 August 2002 (20.08.2002), figure 3, claim 1, abstract --	1-26
A	US 20030045800 A1 (KJELL NOREN ET AL), 6 March 2003 (06.03.2003), see whole document --	1-26

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 25 November 2004	Date of mailing of the international search report 06-12-2004
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Anna Malmberg/MN Telephone No. +46 8 782 25 00

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International application No.

PCT/SE 2004/000741

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1348375 A1 (ST. JUDE MEDICAL AB), 1 October 2003 (01.10.2003), abstract  --	1-26
A	Daniel J. Lenihan et al AM HEART J 1995;130:153-66 Mechanisms, diagnosis and treatment of diastolic heart failure see whole document  -- -----	1-26

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/SE2004/000741**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 16-26  
because they relate to subject matter not required to be searched by this Authority, namely:  
Claims 16-26 relate to a method of treatment of the human or animal body by surgery or by therapy, as well as diagnostic methods /Rule 39.1(iv). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compound(s)/product/device.
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

### Information on patent family members

International application No.

PCT/SE 2004/000741

WO	0136014	A2	25/05/2001	AU US	1297701 A 6277078 B	30/05/2001 21/08/2001
US	6438408	B1	20/08/2002	CA EP JP US WO	2433049 A 1345651 A 2004528864 T 20020115939 A 02053228 A	11/07/2002 24/09/2003 24/09/2004 22/08/2002 11/07/2002
US	20030045800	A1	06/03/2003	BR CA EP JP SE	0116523 A 2432570 A 1345600 A 2004516305 T 0102919 D	03/02/2004 04/07/2002 24/09/2003 03/06/2004 00/00/0000
EP	1348375	A1	01/10/2003	EP SE US	1387972 A 0200922 D 20040015196 A	11/02/2004 00/00/0000 22/01/2004


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Original (for SUBMISSION)

VIII-4-1	<p>Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p>	<p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to international application PCT/SE2004/000741 (if furnishing declaration pursuant to Rule 26ter).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications", by application number, country or Member of the World Trade Organization, day, month, and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p>
VIII-4-1-1	Prior applications:	

PCT


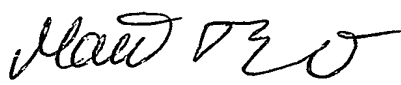

Original (for SUBMISSION)

		<p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>
VIII-4-1-1-1	Name (LAST, First)	HEDBERG, Sven-Erik
VIII-4-1-1-2	Residence: (city and either US State, if applicable, or country)	KUNGSÄNGEN, Sweden
VIII-4-1-1-3	Mailing address:	. Odonstigen 5 S-196 32 KUNGSÄNGEN Sweden
VIII-4-1-1-4	Citizenship:	SE
VIII-4-1-1-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-1-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	June 7, 2004

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Original (for SUBMISSION)

VIII-4-1-2-1	Name (LAST, First)	BJÖRLING, Anders
VIII-4-1-2-2	Residence: (city and either US State, if applicable, or country)	JÄRFÄLLA, Sweden
VIII-4-1-2-3	Mailing address:	. Handbollsvägen 24 G S-175 53 JÄRFÄLLA Sweden
VIII-4-1-2-4	Citizenship:	SE
VIII-4-1-2-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-2-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	June 7, 2004
VIII-4-1-3-1	Name (LAST, First)	TORPO, Maria
VIII-4-1-3-2	Residence: (city and either US State, if applicable, or country)	SUNDBYBERG, Sweden
VIII-4-1-3-3	Mailing address:	. Duvkullavägen 42 B S-172 37 SUNDBYBERG Sweden
VIII-4-1-3-4	Citizenship:	SE
VIII-4-1-3-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-3-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	June 7, 2004
VIII-4-1-4-1	Name (LAST, First)	LJUNGSTRÖM, Karin
VIII-4-1-4-2	Residence: (city and either US State, if applicable, or country)	HÄSSELBY, Sweden
VIII-4-1-4-3	Mailing address:	. Albert Landbergs gränd 34 S-165 70 HÄSSELBY Sweden
VIII-4-1-4-4	Citizenship:	SE
VIII-4-1-4-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-4-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	June 7, 2004